

ABSTRACT OF THE DISCLOSURE

Techniques such as closed-loop direct metal deposition (CLDMD) and laser cladding are used to design and tailor tools and components for specific applications. Closed loop DMD in particular can achieve such changes on an existing tool with proper alloy matching (often referred as color matching in the die repair industry) and close 5 dimensional tolerances. This process leads to cost and lead-time savings by reducing post processing cost and reconfiguring the original tool.